

Experiments on the use of ...

S/598/61/000/006/031/034
D217/D303

their useful life after the same period of time. The application of Ti for the manufacture of pumps working in contact with HCl solutions is recommended, since Ti resists even strong HCl, provided metal ions are present in the solution. There are 5 figures.

Card 2/2

8/08/62/000/014/021/039
B166/B144

AUTHORS: Kramnik, V. Yu., Dudavskiy, I. Ye.

TITLE: Experience in the production of refractory materials from natural rutile concentrate

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 14, 1962, 410, abstract 14K322 (Sb. "Titan i yego splavy" no. 6. M., AN SSSR, 1961, 260 - 264)

TEXT: The flowsheet for the production of a rutile refractory is given; 25% of the rutile concentrate is ground in a vibrating mill until it contains 97% of <0.06 mm fraction; the ground material is blended with the 75% of original rutile concentrate in an edge-runner mixer and is moistened with sulfite-cellulose liquor to reach a moisture content of 2.6 - 3.2%. The articles are pressed at 1000 - 1100 kg/cm²; the drying temperature is 120 - 150°C, the roasting temperature 1400 - 1500°C. The brick is used for lining the reaction zone of an electric shaft furnace used in the production of TiCl₄. [Abstracter's note: Complete translation.]

Card 1/1

KRAHNICK, V.Yu.; FAL'KEVICH, E.S.; LYUKLEVICH, Ye.A.; TUSHNIKOVA, Z.I.

Rapid method of determining the quality of titanium sponge. Titan
i ego splavy no.9:196-198 '63. (MIRA 16:9)
(Titanium--Testing)

MISHELEV, V.A.; KRAMNIK, V.Yu.; TSABOLOV, Yu.A.; NEMERYUK, Yu.G.; KOVSEGOV, E.Ye.

Smelting ilmenite concentrates from various deposits for high-grade
titanium slag. Titan i ego splav no.9:105-118 '63. (MIRA 16:9)
(Titanium—Electrometallurgy)

MOVSESOV, E.Ye.; MISHEIEV, V.A.; KRAMNIK, V.Yu.; NEMERYUK, Yu.G.; TSABOLOV,
Yu.A.; PETROVA, V.A.

Efficient electric conditions in the smelting of titanium slag. Titan
i ego splavy no.9:119-122 '63. (MIRA 16:9)
(Electric furnaces)
(Titanium—Electrometallurgy)

FAL'KEVICH, E.S.; GARMATA, V.A.; Prinimali uchastiye: KHAMNIK, V.Yu.; LYUKEVICH,
Ye.A.; ARTYUNOV, E.A.; KULIKOV, V.A.

Quality control of titanium sponge. Titan i ego splavov. No. 9. 1963-1995
'63. (MIRA 1679)

(Titanium—Testing)

KRAMNIK, V.Yu.; SEMENOV, Yu.N.; AKUTYUNOV, E.A.; MOROZOV, V.N.; DEMCHENKO, O.Ya.

Chemically resistant ceramic metal filters made of sponge titanium
wastes. Porosh.met. 4 no.4:86-90 Jl-Ag '64.

(MIRA 18:8)

1. Institut problem materialovedeniya AN UkrSSh, Zaporozhskoye
otdeleniye.

L 33317-65 BMF(c)/BMT(s)/BMT(-)/BMT(d)/BMT(-)/BMT(s)/BMT(s) P-14-171

10

ACCESSION NR: AP6003578

8/0130/65/000/001/0090/0094

AUTHOR: Carmata, V.A., Kramnik, V.Yu., Arutyunov, E.A., Nazarova, V.I.

TITLE: Influence of humidifying titanium sponge on ingot hardness

SOURCE: Tsvetnye metally, no. 1, 1965, 40-44

TOPIC TAGS: titanium sponge, titanium hardening, ingot hardness, moisture content, cast titanium

ABSTRACT: Titanium sponge prepared by the thermal magnesium method has a large surface area of pores and readily attracts moisture from the air. The moisture bound to magnesium chloride reacts with molten titanium, holds gaseous impurities and increases Ti hardness. Tests showed that ingots cast from initial sponge as compared to those from humidified sponge are 6-8 HB softer. Sponge of the harder type (126 HB) increases much more in hardness (32.3 HB - 200%). This refers to laboratory tests in a vacuum furnace (no industrial tests were made). If humidified sponge is dried prior to melting, its hardening decreases by 10-14 HB (depending on the initial hardness of the sponge material). The authors conclude that the receiving departments of titanium manufacturing plants should determine the ingot hardness of sponge delivered to them only after having

Card 1/2

L 13317-65

ACCESSION NR.: AP5003378

desiccated the sponge prior to test melting. It seems that the chlorine content does not affect the moisture sorption capacity of titanium sponge. A different hardness on the upper and lower surfaces of the sponge is an indication that the sponge contained moisture (partial evaporation during melting). Original size: 5" x 6".

ASSOCIATION: none

SUBMITTED: 00 ENGINEER: 00 SUB-CODE: MM

NO REF Sov: 010 OTHER: 00

Card 2/2

KRAMNIK, V.Yu.; MOVSESOV, E.Ye.; FECHENKIN, V.P.

Carbonizing titanium slag briquets with incomplete combustion
of natural gas. Met. i gornorud. prom. no.6:46-48 N-D '65.
(MIRA 18:12)

L 23864-66 EWT(m)/EWA(d)/EWP(t) IJP(c) JD/JH
ACC NR: AP6013285 SOURCE CODE: UR/0413/66/000/008/0080/0080

INVENTOR: Kramnik, V. Yu.

. 32
B

ORG: none

TITLE: Unit for obtaining metallic titanium. Class 40, No. 180801
[announced by the Dneprz Titanium-Magnesium Plant (Dneprovskiy titanomagniyevyy zavod)]

SOURCE: Izobreteniya, promyshlennyya obraztsy, tovarnyye znaki, no. 8, 1966, 80

TOPIC TAGS: titanium, titanium extraction, extraction unit

ABSTRACT: This Author Certificate introduces a unit (see Fig. 1) for the extraction of titanium from titanium tetrachloride by reduction with magnesium, with titanium precipitated on the inoculated surfaces of the crystallizer, and simultaneous removal of magnesium chloride and excess magnesium. To facilitate the discharge of the product and to improve its quality by utilizing magnesium vapor, the crystallizers are made in the shape of cylinders cooled inside with an inert gas; the magnesium evaporator is mounted below the crystallizers, and a heater

Card 1/2

UDC: 669.295.002.506

I 23864-66

ACC NR: AP6013285

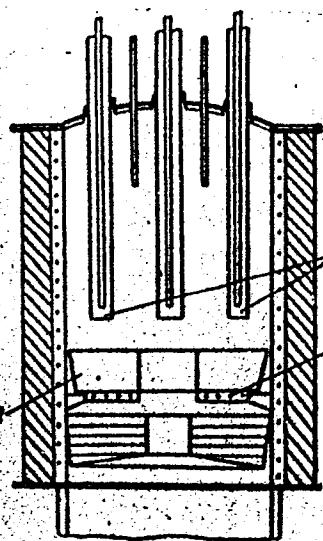


Fig. 1. Unit for obtaining metallic titanium.

1 - Crystallizers; 2 - magnesium evaporator; 3 - heaters.

maintains the temperature of the walls of the reaction chamber at 100—300C above that of the crystallizers. Orig. art. has 1 figure.

[ND]

SUB CODE: 13, 11/ SUBM DATE: 21Jul64/ ATD PRESS: 4246
Card 2/2ddr

USSR/Farm Animals - Small Horned Cattle.

0-3

Abs Jour : Ref Zhur - Biol., No 18, 1958, 83411

Author : Gayevskaya, L.S., ~~Krasopolin~~, Ye.S.

Inst : -

Title : Samarkand Oblast' Pastures and Their Utilization for
Sheep Husbandry.

Orig Pub : Materialy po proizvodstv. sil'shch. Uzbekistana, 1957, vyp. 9,
229-290.

Abstract : No abstract.

Card 1/1

KRANTZER PROJECT

目錄

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826020020-1"

Изучение рака кожи

VERMEL', Ye.M., professor; KRAMORENKO, I.T. (Moskva, 3-ya Meshchanskaya ul., d. 61/2, korp. 9.)

О main in the treatment of skin cancer [with summary in English]
Vop. onk., 2 no.6:722-728 '56
(MLRA 10:4)

1. Iz instituta eksperimental'noy patologii i terapii raka
(dir.-chl.-korr. AMN SSSR prof. N.N. Blokhin)

(SKIN NEOPLASMS, ther.

deacetyl-N-methylcolchicine)

(COLCHICINE, related epds.

deacetyl-N-methylcolchicine, ther. of skin cancer)

EXCERPTA MEDICA Sec 13 Vol 13/6 Dermatology June 59

1546. TREATMENT OF SKIN CANCERS WITH N-DESACETYL METHYL COL-
CHICINE (OMAINE) - Omaintherapie der Hautcancerosen - Wermel E.M.
and Kramorenko I. T. Akad. der Med. Wissenschaften der UdSSR, Inst für
Pathol. und Cancer-ther., Moskau - ARCH. GESCHWULSTFORSCH. 1958,
12/4 (325-338)

A summary of results with omaine (demecolcine) ointment in skin cancer, based on

1546

evaluation of a total of 240 cases. In the majority of cases both basal-cell and squamous-cell carcinomas in stage I (diameter up to 2 cm., no metastases) could be cured with 6-7 applications of the ointment; in some, 12-15 applications were required. Recurrence was found only in 13 out of 117 cases which had a follow-up of 7 yr. After some time, novo omaine ointment (omaime 0.5%, ephedrine 0.8-1%, hyaluronidase 10-80 U, in 1 ml., 0.5-1% phenylbutazone, in spermaceti-emulsion) proved more efficacious than pure 1% or 0.5% omaime ointment. Treatment with cytotoxic ointments is especially suitable in recurrences after radiation treatment.
Knoth - Glessen (V, 13, 16)

KRAMORENKO, I. T.; PRESNOV, M. A.; YUSHKOV, S. F.

Morphological regularities in the curative process in skin cancer in man during the use of a novocomain ointment. Vop. onk. 8 no. 7:3-9 '62. (MIRA 15:7)

1. Iz klinicheskogo otdeleniya (zav. - deystv. chl. AMN SSSR, prof. N. N. Blokhin) i laboratorii eksperimental'noy khimioterapii (zav. - chl.-korr. AMN SSSR, prof. L. F. Larionov) Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR (dir. - deystv. chl. AMN SSSR, prof. N. N. Blokhin)

(SKIN—CANCER) (COLCHICINE)

KOLESNIKOVA, M.I.; KRAMORENKO, S.S.; SHMELEVNA, Ye.N., red.

[Our age is an age of radio electronics; bibliographic and
teaching materials] Mash vek - vek radioelektroniki; metodi-
cheskie i bibliograficheskie materialy. Alma-Ata, 1959. 9 p.
(MIRA 14:2)

1. Alma-Ata: ~~Razvedchikanskaya biblioteka.~~
(Electronics)

KOLESHNIKOVA, M.I.; KRAMORENKO, S.S.; SHMELEVA, Ye.N., red.

[Road to space; methodological and bibliographical materials for
libraries] Put' v kosmos; metodicheskie i bibliograficheskie
materialy v pomoshch' bibliotekam. Alma-Ata, 1959. 12 p.

(MIRA 14:2)

1. Alma-Ata. Gosudarstvennaya respublikanskaya biblioteka.
(Space flight)

BARABOYM, N.K., doktor khimicheskikh nauk; KAMORENKO, V.I.

Use of adhesive substances made of industrial wastes. Leg.prom.17
44-45 Mr '57. (MLRA 10:4)
(Adhesives) (Factory and trade waste)

Tech

KRAMOROV, YU. I., Cand of Sciences --- (diss) "Investigation and Basis
of the Principal Parameters of Machines with Built-in Electric Motors
for Shearing Sheep, "

Moscow, 1959, 14 pp (Joint Scientific Council of the All Union
Scientific Research Institute for the Mechanization of Agriculture
VIM and the All Union Scientific Research Institute ~~nf~~ for the Electri-
fication of Agriculture VIESKh) (KL, 6-60, 122-123)

KRAMQROV, Yu. I.

Basic trends in developing shearing machines with built-in electric
motors. Sbor. nauch.-tekhn. inform. po elek. sel'khoz. no.7:19-22
'59. (MIRA 13:9)

(Sheep shearing)

KRAMOROV, Yu.I., inzh.

Problem concerning the choice of directly connected electric
drives for shearing machines. Nauch. trudy VIESKH 7:9-19 '60.
(MIRA 15:8)
(Scissors and shears) (Agricultural implements)

KRAMOROV, Yu.I.; KARPUKHIN, B.D.

Use of 200 c. p. s. converters in the power supply of small shearing machines. Trakt. i sel'khozmash. no. 3:30-31 Mr '65.

(MIRA 18:5)

KRAMOROV, Yu.I., kand.tekhn.nauk; KARPUKHIN, B.D., inzh.

Electrical equipment operating on increased frequency should find wide use in rural electrification. Elektrotehnika' 35 no.3
27-28 Mr '64. (MIR 17-1)

MALOLETKOV, Ye.K., inzh.; GORDEYEV, L.F., inzh.; SELIVANCHIK, Ya.V.,
inzh.; EYDES, A.G., inzh.; KRAMOSHCH, I.I., inzh., nauchnyy
red.; NAUMOVA, G.D., tekhn. red.

[Organization and techniques of the repair of building machinery]
Organizatsiia i tekhnologija remonta stroitel'nykh mashin. [By]
E.K.Maloletkov i dr. Moskva, Gosstroizdat, 1962. 272 p.
(MIRA 15:7)
(Construction equipment-Maintenance and repair)

KRAMOV, V.; BUDNITSKIY, M.

There are no results yet. Prem. keep. no. 10:59-60 O '55.
(MLRA 9:4)

1. Chleny pravleniya arteli imeni Zhdanova.
(Nikolayev Province--Clothing industry)

KRAMOVA, A.A.

Significance of the course of unconditioned reflex in formation of
conditioned reflex. Vop. fiziol. no.5:3-10 '53. (MLRA 8:1)

1. Ukrainskiy psikhonevrolgicheskiy institut.
(REFLEX, CONDITIONED,
form., role of unconditioned reflex)
(REFLEX,
unconditioned, in form. of conditioned reflex)

KRAMOVA, A.A.

Effect of external factors on restoration of digestive conditioned reflexes following their extinction. Vopr. fiziol. no.9:52-57 '54.
(MIRA 1481)

1. Ukrainskiy psikhonevrologicheskiy institut g. Khar'kov.
(REFLEX, CONDITIONED,
restoration after extinction, eff. of
external factors)

KRAMOVA, A.A.

Changes in the phagocytic activity of leucocytes under the effect
of drug-induced sleep in schizophrenics. Zhur.nevr. i psikh.
Supplement:83-84 '57. (MIRA 11:1)

1. 1-ya psichiatricheskaya klinika (nauchnyy rukovoditel' - prof.
N.P.Tatarenko) i laboratoriya uslovnykh refleksov (zav. A.V.Semerni-
na) Ukrainskogo nauchno-issledovatel'skogo psichonevrologicheskogo
institut, Khar'kov.

(SCHIZOPHRENIA) (SLEEP--THERAPY) (PHAGOCYTOSIS)

KRAMOVA, A. A.

USSR/Human and Animal Physiology. Nervous System.
Higher Nervous System. Behavior.

T

Abs Jour: Ref Zhur-Biol., No 20, 1958, 93640.

Author : Kramova, A.A.

Inst :

Title : Peculiarities of Reactions of the Cerebral Cortex to
Practiced Action.

Orig Pub: Zh. vyssh. nervn. deyatl-sti, 1957, 7, No 5, 717-721.

Abstract: The extinction of conditioned reflexes was studied
in 10 dogs with a reinforcement of small doses of
nutrition (20-4 gr zwieback) which precluded the
possibility of satiating the animals. During the
experimentation, observations were recorded of undu-
lant fluctuations of cortical activity; periodic al-
ternation of stimulation and suppression of reflexive

Card : 1/2

USSR/Human and Animal Physiology. Nervous System.
Higher Nervous System. Behavior.

T

Abs Jour: Ref Zhur-Biol., No 20, 1958, 93640.

salivation. Analogous phenomena were recorded when daily doses of barbaryl (amytal sodium) in quantities of 0.3 - 0.5 g were administered to 8 dogs over a period of 6 - 9 days. The undulation of inhibition is regarded as an auxiliary reaction of the C.N.S. to the protracted suppressive effect of extinction or the prolonged administration of the semilficient. --
K.S. Ratiner.

Card : 2/2

110

KRAMOVA, A.A.

Effect of slight inhibition in the cerebral cortex on specific immune reactions in dogs; author's abstract. Zhur.mikrobiol., epid.i immun. 30 no.11;117 N '59. (MIRA 13:3)

1. Iz laboratorii fiziologii Ukrainskogo psichonevrologicheskogo instituta.

(INHIBITION) (IMMUNITY)

KRAMOVA, A.A.; VOROB'YEVA, T.M.

Newness as a singular stimulus associated with the introduction of
drugs into the organism. Fiziol. zhur. 46 no.11:1386-1393 N '60.
(MIRA 13:11)

1. From the Laboratory of Physiology of Higher Nervous Activity,
Ukrainian Psychoneurological Research Institute, Kharkov.
(PHARMACOLOGY)

KRAKOVA, N. A. Doc Med Sci -- (disc) "Data for the study of the process of protective inhibition." Khar'kov, 1958. 15 pp (Khar'kov, State Med Inst), 230 copies. List of author's works at end of text (13 titles) (KL, 36-58, 114)

KRAMOVA, Natal'ya Aleksandrovna, doktor med. nauk; POLISHCHUK,
I.A., red.

[Effect of alcohol on higher nervous activity] Vplyv
alkoholiu na vyshchu nervovu diial'nist'. Kyiv, Derzh-
medvydav UkrSSR, 1964. 13 p. (MIRA 18:1)

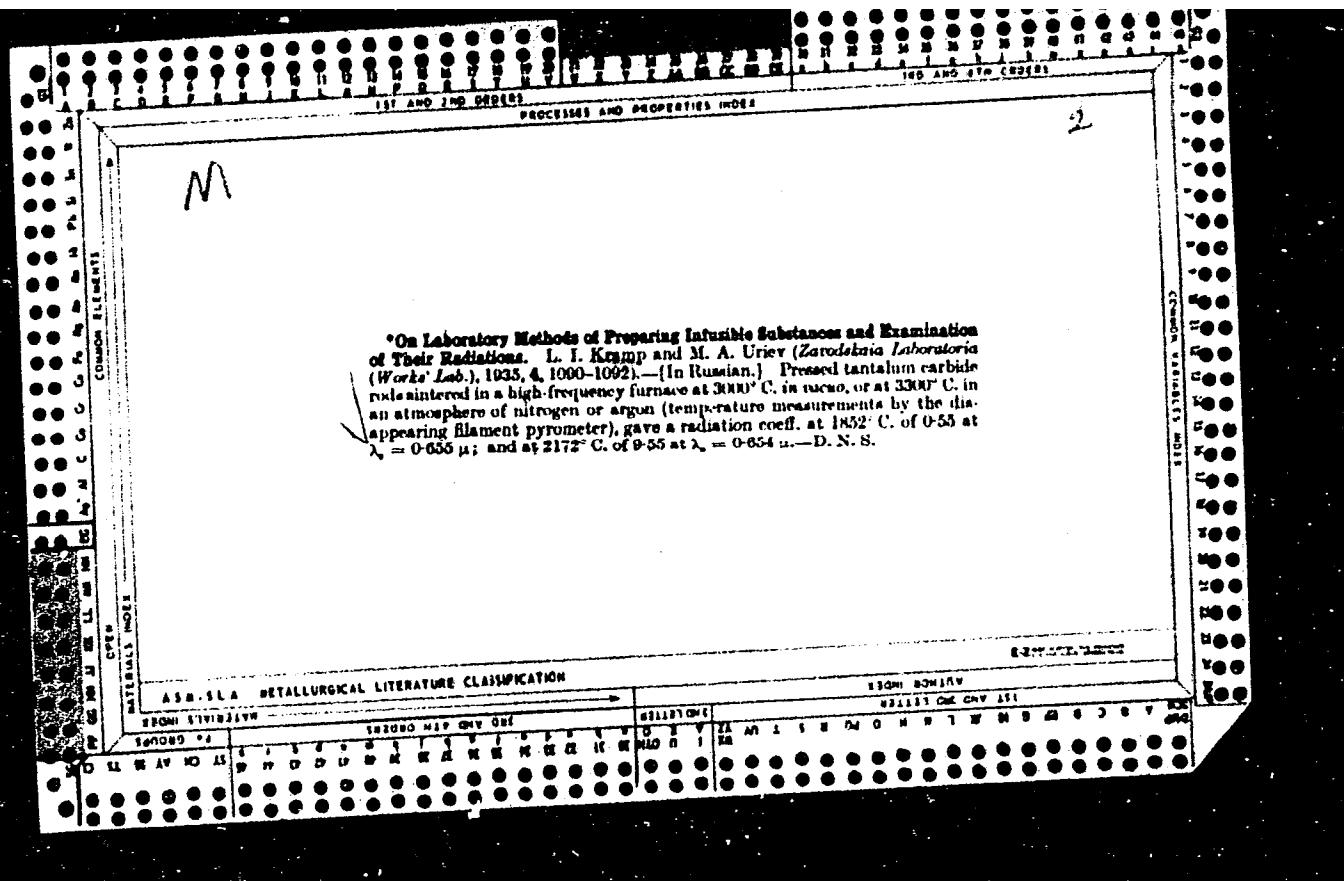
KRAMP, A.V.

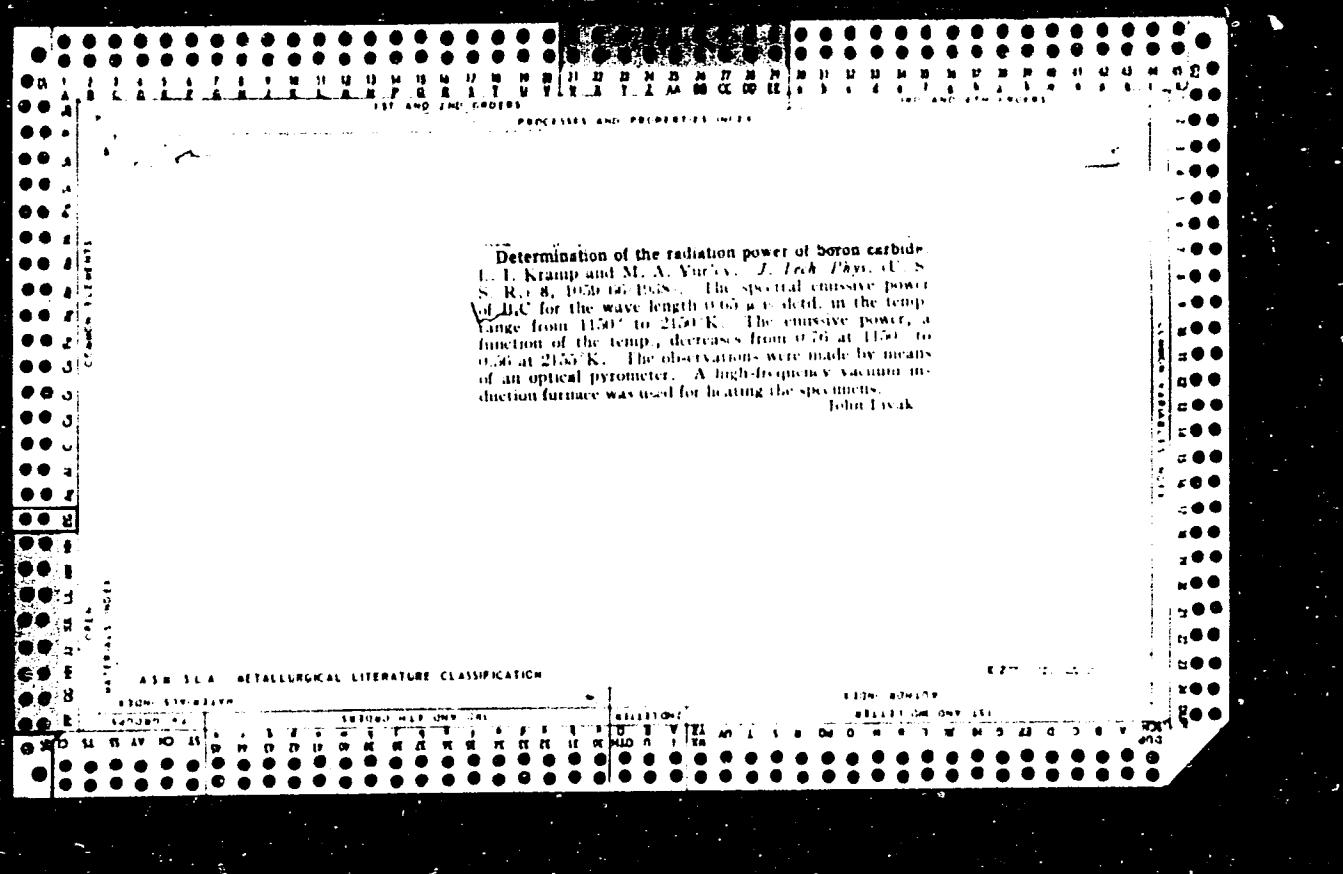
~~Universal floating bunker station. Biul. tekhn.-ekon.inform. no.3:~~
74-75 '58. (MIRA 11:6)
(Freighters)

PROBLEMS AND PREDICTIONS

An electroosmotic theory of the electrolytic rectifier. A. A. DORNAK, I. I. KRAMER AND O. P. LURDINSKAYA. *Z. Physik* 61, 862-72(1930); *Bull. Acad. sci. URSS rep. sovjet. social. Class. sci. phys. math.* 1930, No. 3, 235-66(in German).—This is a repetition and extension of work previously published by D. (*Memoires Inst. Agron. Empereur Pierre I à Vorougy* III(1908)).—According to the authors, the electrode during the formative period becomes covered with a porous insulating membrane. The formation of this membrane continues until the electroosmotic pressure can overcome the electrostatic attraction between the electrolyte and the electrode. The mechanism of the valve or rectifying action is probably the following: during the active phase the electrolyte is in contact with the electrode and a current passes; during the inactive phase the electrolyte moves through the membrane away from the electrode causing a great decrease in cond. Because of the fact that Ta electrodes did not show this effect, probably because of the acidic nature of the membrane, the authors refrain from saying that their explanation, important though it is, is the only one which will be able to explain the phenomenon. Exptl. data obtained by the use of Al electrodes in 0.1 M solns. of NaHCO_3 , KOH, LiOH, AlCl_3 , HCl and HNO_3 are given.
E. R. SCHMITZ

ADM-51-A - METALLURGICAL LITERATURE CLASSIFICATION





KRAMP, L.I.; KUZNETSOV, N.P.; OSTROUMOV, B.A.

Equipment for studies in the infrared regions of spectra. Trudy
VNIIM no.16:23-41 '51. (MIRA 11:6)
(Spectrum, Infrared) (Optical instruments)

USSR/Physics -- Instruments

Card 1/1 Pub. 43 - 38/97

Authors : Cstroumov, V. A., and Kramp, L. I.

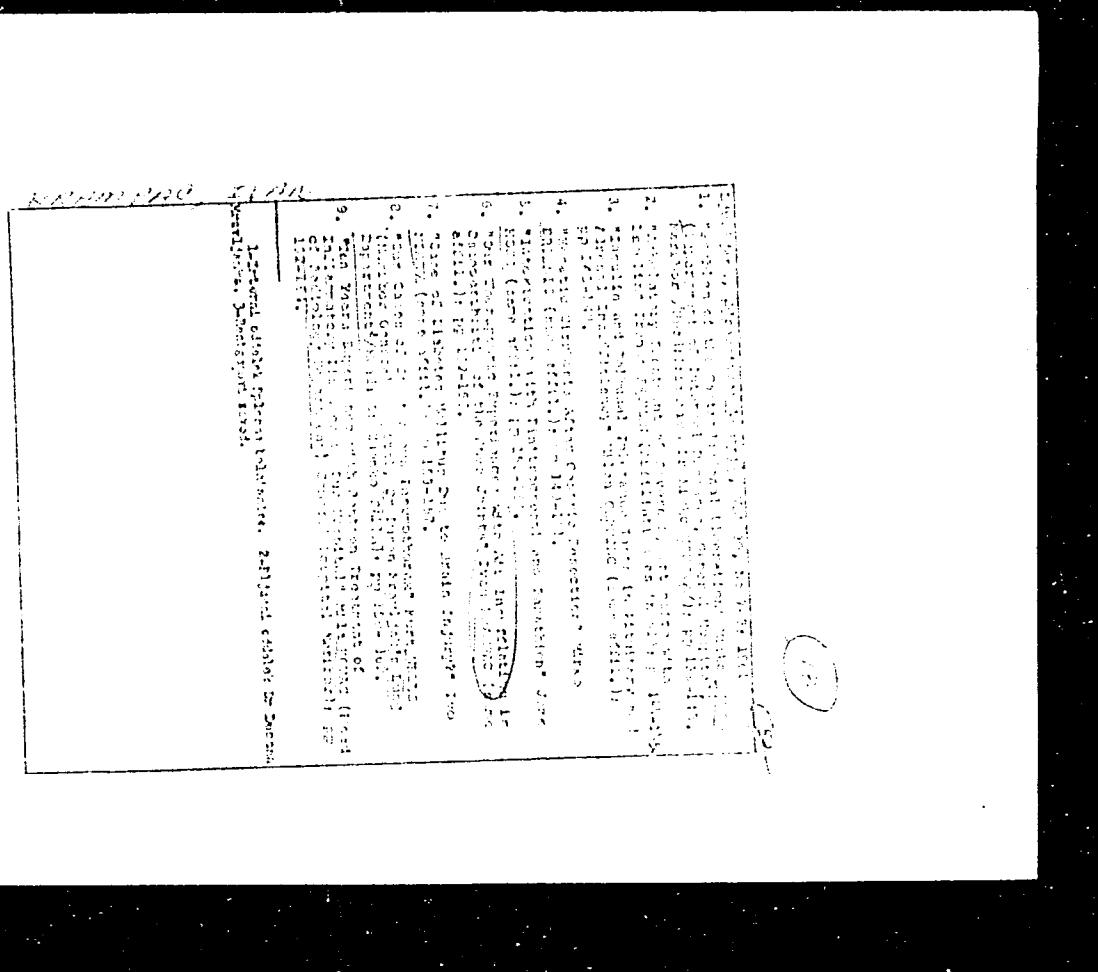
Title : New model of a spectrometer for the study of dispersion elements

Periodical : Izv. AN SSSR. Ser. fiz. 18/2, 267-268, Mar-Apr 1954

Abstract : Brief announcement is made of the development of a new reflecting (mirror) goniometer suitable for the study of interference dispersion elements and various prisms as well as for goniometric measurements connected with refraction, polarization and light diffusion in a wide and preferably infra-red zone of the spectrum. The basic elements of the goniometer are described. The mechanical properties of the new device are listed.

Institution : The D. I. Mendeleyev All-Union Scientific Research Institute of Metrology

Submitted :



APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826020020-1"

KRAMPE, R.

Alkaline phosphatase activity of the gastric mucosa in cases of
ulcerous and cancerous lesions of the stomach. Izv. AN Latv.SSR
no.7:115-120 '63. (MIRA 17:4)

l. Institut eksperimental'noy i klinicheskoy meditsiny
AN LatvSSR.

KRAMPERA, M.

PHASE I BOOK EXPLOITATION

CZECH/3715

Svetlik, Vladimír, Engineer; Milan Balda, Doctor, Engineer; and Miloslav
Krampera, Candidate of Technical Sciences, Engineer

Regulační a průmyslové aplikace (Industrial Use of Automatic Control) Praha,
Svazek naklad. technicke lit-ry, 1958. 174 p. 2,200 copies printed.

Auth. Ed.: Marie Kralova; Resp. Ed.: Vladimir Specil, Engineer.

PURPOSE: This book is intended for general technical workers engaged in
the operation and design of automatic control systems in chemical,
food processing, and related industries.

OVERVIEW: The book deals with examples of application of control and regula-
tion installations in production units of the chemical industry. The
first part of the book presents practical information, useful general rules,
and simple discussions about control circuits, indispensable elements
for the solution of automation problems in industrial production. The
second part of the book presents the solution of several examples from many
years of practical experience in designing and building industrial
installations for automatic control and regulation. In the conclusion,
fundamental observations on the economics of automation are summarized,

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Practical Use of Automatic Control

CZECHOSLOVAKIA

and examples of calculation of economies obtained are presented. To knowledge of the theory of control circuits on the part of the reader is assumed. Required knowledge of mathematics and calculations is reduced to a minimum. A basic knowledge of elements of measuring and regulating systems is assumed. There are 16 references: 3 Czech, 3 English, 2 German, and 8 Soviet.

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Part 2/5

KRAMPERA, M.

PHASE I BOOK EXPLOITATION

SOV/4938

Strejc, Vladimír, Engineer, Milan Balda, Engineer, Docent, and Miloslav Krampera,
Candidate of Technical Sciences, Engineer

Primeneniye avtomaticheskogo regulirovaniya v promyshlennosti (Industrial Application
of Automatic Control) Translated from the Czech by B. N. Barbarov.
Moscow, Gostoptekhnizdat, 1960. 228 p. 7,200 copies printed.

Ed.: G. M. Ulanov, Doctor of Technical Sciences; Exec. Ed.: A. A. Gor'kova;
Tech. Ed.: I. G. Fedotova.

PURPOSE: This book is intended for workers, foremen, and technical personnel
in industry.

COVERAGE: The book describes the present state and the prospects for further
development of automation in the chemical, fuel, and raw-materials industries. The information contained in the book is based on the experience
of Czechoslovakia and other countries in automation systems. A series of
general problems and methods of automation of some industrial processes
are presented. Basic technical requirements are systematically reviewed,
and layout diagrams for industrial automation, methods of measuring

Card 1/5

Industrial Application (Cont.)

SOV/4938

signals, and information used in industrial-control systems are studied. Simplified evaluations of the technical and economic efficiency of automation and the design elements of automatic-control systems are given. The present state-of-the-art in automation in Czechoslovakia is discussed in the preface to the translation. No personalities are mentioned. There are 151 references: 103 Soviet, 21 Czech, 17 English, 9 German, and 1 French.

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Industrial Application (Cont.)

SOV/4938

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Z/032/63/013/001/001/004
E192/E382

AUTHOR: Krampera, M., Engineer (Prague)

TITLE: Determination of the temperature of a circulating heat-transmitting substance

PERIODICAL: Strojirenstvi, v. 13, no. 1, 1963, 17 - 20

TEXT: The article deals with the problem of heat-transfer between two exchangers by means of an auxiliary circulating medium. The system considered is illustrated in Fig. 1, where the medium C transfers the heat between two materials A and B. The heat transferred by the "exchange" surface can be expressed by:

$$Q = Fk \frac{(t_5 - t_1) - (t_6 - t_2)}{\ln \frac{t_5 - t_1}{t_6 - t_2}}$$

where F is the exchange area, k the heat-transfer coefficient, t_1 are the input and output temperatures; the Card 1/4

Z/032/63/013/001/001/004
E192/E382

Determination of

subscripts 1 correspond to the exchanger V and the subscripts 1, 2 denote the substance A which receives the heat; the subscripts 3 and 4 denote the substance B which gives off heat, while subscripts 5 and 6 refer to the substance C. It is necessary to determine the terminal temperatures t_5 and t_6 of the circulating medium when the following quantities t_1 , t_2 , t_3 and t_4 are given: Q, $R_1 = F_{1k}$, $R_2 = F_{2k}$, t_1 , t_2 , t_3 and t_4 . The following equations can be written for these conditions on the basis of the first equation:

$$Q = R_1 \frac{x_{11} - x_{12}}{\ln \frac{x_{11}}{x_{12}}} \quad (3)$$

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Determination of ...

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$$Q = R_2 \frac{\frac{x_{21} - x_{22}}{x_{21}}}{\ln \frac{x_{21}}{x_{22}}} \quad (4)$$

$$x_{11} + x_{21} = M \quad (5)$$

$$x_{12} + x_{22} = N \quad (6)$$

The solution of these equations is based on solving the following:

$$y = a^x/x \quad (9)$$

If this function is plotted, then a straight line parallel to the axis x will intersect the curve at two points x_1 and x_2 . Eqs. (3) and (4) can therefore be solved graphically by plotting a function of the type given by Eq. (9) and using a special template. The method of solving the equations is illustrated by a numerical example. There are 4 figures and 1 table.

Card 3/4

KRAMPERA, Miloslav, inz.

Tasks of data processing and the equipment of control centers
of production departments in the chemical industry. Automati-
zace 7 no. 2142-44 F'64

1. Chemoprojekt, Praha

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Conceptions of chomical production automation. Automatizace
6 no.12:302-304 D '63.

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"Mechanization and measurement technique in the chemical industry" by K. Cyprian. Reviewed by Miloslav Krampera.
Automatizace: Suppl. Technicka Literatura 7 no.5:insert
My'64.

KEMETL, E.

Economizing on electric energy in the building industry.

P. 272. (STAVKA) (Bratislava, Czechoslovakia) Vol. 4, No. 9, Sept. 1957

SO: Monthly Index of East European Accession (EIAI) LC. Vol. 7, No. 5, 1958

KRAMPLA, F.

Organic disinfectants for the food industry. (Supplement) p. 1C

PRUMYSL POTRAVIN. (Ministerstvo potratinarskyho prumyslu) Praha, Czechoslovakia
Vol. 1C, no. 1, Jan. 1959

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Uncl.

KRAMPLA, F.

Use of epoxy resins in the cheese industry. p. 41

PRUMYSL POTRAVIN. (Ministerstvo potratinarskyho prumyslu) Praha, Czechoslovakia
Vol. 10, no. 1, Jan. 1959

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CZECHOSLOVAKIA

UDC 612.776.1:(616.153.772.3:616.153.484.2)

KRAMPL, Vaclav; BORSKY, Imrich, HUBAC, Miloslav; Research Institute of Work Hygiene and Occupational Diseases (Vyskumný Ustav Hygieny Prace a Chorob z Povolania), Bratislava, Director (Riaditeľ) Prof Dr M. NOSAL.

"Changes in Blood Levels of Lactic and Pyruvic Acid During Static and Dynamic Loads."

Prague, Pracovni Lekarstvi, Vol 18, No 3, Apr 66, pp 108-111

Abstract /Authors' English summary modified/: Changes of lactic and pyruvic acid levels were investigated in 14 men aged 20-24. Lactic acid level, and the lactate/pyruvate ratio can be used as a criterion of the static load as far as oxygen consumption is concerned. With oxygen consumption of 0.1-0.6 l/min the lactic acid level was 12-35 mg%; the same level corresponds to a dynamic load value of 0.4-1.3 l/min. Pyruvate levels do not show differences caused by discrepancy between static and dynamic loads. Increase in oxygen consumption does not increase the pyruvic acid level. 2 Figures, 5 Western, 5 Czech references. (Ms. rec. 18 May 65).

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CZECHOSLOVAKIA

UDC 612.766.1:616.153(:577.15.084).

KRAMPL, Vaclav; HUBAC, Miloslav; BORSKY, Imrich; Research Institute for Work Hygiene and Occupational Diseases (Vyskumnny Ustav Hygieny Prace a Chorob z Povolania), Bratislava, Director (Riaditel) Prof Dr M. NOSAL.

"Activity Changes of the Serum-Enzyme After a Physical Load."

Prague, Pracovni Lekarstvi, Vol 18, No 4, May 66, pp 150-153

Abstract /Authors' English summary modified/: Activity of glutamо-oxaloacetic- glutamo-pyruvic transaminase and aldolase in the serum was investigated experimentally after a physical dynamic or static load. Immediately after the physical work the activity increased significantly, the increase being about the same, whatever the load. After a greater load the peak was reached in the 5th minute of recovery period. In the 5th recovery minute a significant difference of enzyme activity was observed after a small and a large physical load. An increased expenditure of serum enzymes from the muscle-cell to the blood occurs after work connected with relative muscle hypoxia. 1 figure, 1 Table, 10 Western, 5 Czech references. (Manuscript received 18 May 65).
1/1

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R00082602002
CZECHOSLOVAKIA UDC 613.1-092.22:616.633(:57.7.17.453(:547.92)-074

KRAMPL, Vacalav; HUBAC, Miloslav; Research Institute for Work Hygiene and for Occupational Diseases (Vyskumnny Ustav Hygieny Prace a Chorob z Povolania), Bratislava, Director (Riaditel) Prof Dr M. NOSAL.

"The Problem of the Excretion of Adrenocortical Products as a Function of Climatic Conditions."

Prague, Pracovni Lekarstvi, Vol 18, No 6 - 7, Aug 66, pp 272-276

Abstract /Authors' English summary modified/: Excretion of 17-ketosteroids, 17-ketogenous steroids, and of Na and K was investigated for 24 hours once in every one of the 4 seasons in workers in agriculture, those in refrigeration plants exposed to low temperatures, those exposed to heat stress, and those working under ordinary office conditions. The excretion varies both with the season and with the temperature of the surroundings; it appears that it is closely connected to the metabolism of sodium. 4 Figures, 11 Western, 2 Czech references. (Manuscript received 27 Nov 65).

1/1

BLUMEN, H.F.; ITKEL R., N.Y.

Correspondents' post at the Scientific Editorial Map-Making
Section. Geod. i kart. no.10:59-60 O '61. (WRA 14:11)
(Cartography--Periodicals)

KREMER, J. W. --

"Introduction of the Super-Homely Rat, *Rattus norvegicus*,
Stereotyped from Kentucky City grain and flour stores
lions' teeth significance." *Can. Biol. Sci.*, 1948, biological Inst., Acad.
Sci. USSR., Moscow, 1950. (LITERATURE)

A Survey of Scientific and Technical Dissemination Department
Central Agricultural Institute (USSR)

1950, No. 11, p. 12

KRAMSKAYA, A.A. (Moscow)

Nomograms in extracurricular work. Mat. v shkole no.5:29-38
S-0 '54. (MLRA 7:11)
(Nomography (Mathematics))

KAMOROV, F.F.; BABKOVICH, B.I.

Activity of volunteer councils in the drugstores of Leningrad
Province. Apt.delo 14 no.2353-56 Pr.Apr 1951

(M-19-1)

L. Leningradskoye oblastnoye aptechnye upravleniye,

KRAMSKOV, E.I.; KHUMEROV, N.A.; PIVKIN, Ye.I.

Single-coordinate hydraulic servodrive with a jet amplifier.
Stan. i Instr. 35 no.11-25-26 N 164. (MIRA 18:5)

ACCESSION NR: AP5001336

8/0057/63/033/006/0739/0742

(3)

AUTHOR: Zykow, A. I.; Makhnenko, L. A.; Ostrovskiy, Ye. K.; Dem'yanenko, G. K.; Kononenko, S. G.; Rubtsov, K. S.; Kramskoy, G. D.; Mufel', V. B.

TITLE: Determination of the optimum frequency of a linear traveling-wave accelerator and investigation of the dependence of accelerated-particle energy on frequency

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 33, no. 6, 1963, 739-742

TOPIC TAGS: traveling-wave linear accelerator, phase velocity, group velocity accelerator, traveling-wave accelerator, linear accelerator

ABSTRACT: Simplified calculations of phase and group velocities of a traveling-wave linear accelerator using a septate waveguide section are suggested. These are based on the fact that in the case of small waveguide mismatch, i.e., when the VSWR is less than or equal to 1.1, it is possible to derive formulas for these respective parameters by applying the method of shifting the locations of VSWR minima by moving a shorting stub. This eliminates the need to plot complex circular diagrams. Since actual waveguides contain some inhomogeneities, it is necessary to average the standing-wave minimum displacements resulting from translation of the stub in the septate waveguide. The phase-velocity formula is

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ACCESSION NR: AP3001336

obtained by measuring the total linear displacement of the standing-wave minimum during the travel of the stub for the total number of resonators. This formula defines the dependence of phase velocity on frequency. Measurements made by this method for a septate waveguide with type $\pi/2$ oscillations, a source frequency stability of 10^{-7} , and a septate waveguide period equal to 2.677 ± 0.001 cm showed that for a phase velocity equal to light velocity a frequency of 2796.58 Mc represents the optimum frequency for this waveguide. A straightforward calculation from the phase-velocity formula yields the corresponding group velocity. As regards the dependence of accelerator output on frequency, it is assumed that random deviations of phase velocity are insignificant and that the whole of the waveguides is homogeneous. From this a formula for kinetic energy as a function of frequency is derived. For the waveguide described the relative kinetic energy decreases by a factor of approximately 10 for a frequency change from 2796.6 to 2799 Mc. It is concluded that for septate waveguides with small inhomogeneities the method described determines optimum frequency, and phase and group velocities with adequate accuracy for practical purposes, since the maximum relative error does not exceed $\pm 0.01\%$. Orig. art. has: 3 figures and 8 formulas.

ASSOCIATION: Fiziko-tehnicheskiy institut, AN SSSR, Khar'kov (Physicotechnical Institute, AN SSSR)

Card 2/3

ACCESSION NR: AP3001336

SUBMITTED: 21May62 DATE ACQ: 01Jul63 ENCL: 00
SUB CODE: NS NO REF Sov: 001 OTHER: 004

Card 3/3

L 40917-65 EPA(n)-2/SNT(n)/SNT(n)-2 Pt-10/Pub-10 IJP(c)

ACCESSION NR: AP0007290

8/0057/85/036/003/0496/0501

AUTHOR: Makinenko, L.A.; Zynov, A.Y.; Krasnaya, G.D.

TITLE: Calculation of the field strength in a traveling wave linear accelerator

SOURCE: Zhurnal tehnicheskoy fiziki, v.35, no.3, 1965, 489-501

TOPIC TAGS: linear accelerator, traveling-wave electron accelerator, waveguide iris, waveguide propagation, wave reflection, field intensity

ABSTRACT: The method, discussed in the preceding paper by two of the present authors (ZhTF 35, 489, 1965) [see Acq. No. AP00072957], for calculating the characteristics of a septate waveguide of circular section of the type employed in linear electron accelerators by treating the field within the waveguide as that of the fundamental E01 wave multiply reflected at the septa is applied to the calculation of the field strength within the waveguide. In this method the excitation at the septa of E0n waves with n greater than unity is neglected. The method should accordingly be suitable when such excitation is small, and this is inserted usually to be the case for a waveguide in which the phase velocity is that of light and the phase shift per cell is $\pi/2$. The field strength within the waveguide is defined as the

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L 40917-65

ACCESSION DR: AP600728d

energy gained per unit path length by a relativistic electron traveling in an optimal trajectory, and the requisite formulas for calculating it are derived. The ratio of the field strength to the square root of the power in a bent waveguide in which the phase velocity is that of light and the phase shift per cell is $\pi/2$ was calculated for values of the ratio of the diameter of the iris to that of the waveguide from 0.24 to 0.40 and the results are presented graphically and compared with calculations by A. A. Glazkov ("Spiral waveguide with iris," MIFI, p.32, M. 1959) and with two experimentally measured field strengths. Excellent agreement is shown between theory and experiment and it is concluded that the method of calculation, which is very simple, is suitable for practical applications." Orig. art. has: 22 formulas and 3 figures.

ASSOCIATION: none

SUBMITTED: 12May64

ENCL: 00

SUB CODE: EC,NP

NR REF Sov: 007

OTHER: 005

Card 2/2 MB

L 40919-65 EPA(u)-2/TWT(m)/EMI(m)-2 Pt-10/Feb-10 IJP(c)

ACCESSION NR: AP6007295

8/0057/68/039/003/0505/0510

42

B

AUTHOR: Zykov, A. I., Makhnenko, L.A., Krasnokov, O.D.

TITLE: Determination of the equivalent reflection coefficient of the septate waveguide of a linear accelerator

SOURCE: Zhurnal tehnicheskoy fiziki, v.30, no.3, 1965, 508-510

TOPIC TAGS: linear accelerator, traveling wave, electron accelerator, waveguide iris, wave reflection

ABSTRACT: The authors have measured the reflection coefficients of septate waveguides of circular cross section of the type employed in linear electron accelerators. The reflection coefficient is required for calculating the characteristics of the waveguide by the method discussed in the preceding papers of this series (ZTF 35, 489, 496, 502, 1965 /see Abstracts AP6007295, AP6007296 and AP6007297/), in which the field within the waveguide is treated as that of the fundamental E₀₁ wave multiply reflected at the septa. The reflection coefficient was determined by measuring the standing wave ratio in a rectangular feeder section coupled to the septate waveguide by a transformer from H₀₁ to E₀₁ waves; the septate waveguide ended in a

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ACCESSION NR: AP6007200

matched section closed by a non-reflecting load. Measurements were performed for three septate waveguides, in all of which the phase shift per cell was $\pi/2$ and in two of which the phase velocity was that of light. The results are tabulated and compared with reflection coefficients calculated by the method described in the first paper of the present series (loc.cit. supr.). The excellent agreement obtained between the experimental and theoretical values of the reflection coefficients is regarded as evidence that the approximations involved in the theory are justified and that the theory can be successfully employed for other calculations. The theory can also be employed to calculate the characteristics of periodic systems with more complex geometry by using measured values of the reflection coefficient. Orig.art. has: 3 formulas, 3 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 12May84

ENCL: 00

SUB CODE: RC,NP

NR REF Sov: 007

OTHER: 000

Card 2/2 /16

SOV/137-58-9-18740

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 84 (USSR)

AUTHOR: Kramskoy, V.A.

TITLE: Influence of Specific Operating Conditions of Aluminum-electrolysis Departments Upon Structural Elements (Vliyaniye spetsificheskikh usloviy raboty tsekhov elektroliza alyuminiya na stroitel'nyye konstruktsii)

PERIODICAL: V sb.: Legkiye metally. Nr 3. Leningrad, 1957, pp 3-10

ABSTRACT: The liberation of HF, water vapor, and considerable heat, the operation of heavy cranes, and leakages of current set up conditions for rapid breakdown of structural elements of Al electrolysis departments. The results of investigations of Al electrolysis-department buildings at a number of plants in operation are presented. The conditions giving rise to the failure of masonry, reinforced concrete, foundations, and roofs in such buildings are examined, as are measures to prevent destruction.

Card 1/1 1. Aluminum--Electrolysis 2. Industrial plants
 --Maintenance

Ye.Z.

KRAMSKOY, V.A., inzh.-arkh.

Corrosion of surface construction elements in aluminum electrolysis
shops. Prom. stroi. 37 no. 7:47-49 Jl '59.

(MIRA 12:10)
(Aluminum industry) (Corrosion and anticorrosives)

KRAMSKOY, V.A., arkitektor

New designs of yards for storing pitch. Prom.stroi. 38 no.1:
1948 '60. (MIRA 13:5)
(Pitch--Storage)

ZHUK, P.M., inzh.; KRANSKOV, V.A., arkhitektor

Standard plans for electrolysis sections of aluminum plants.
Prom. stroi. 38 no.2:18-20 '60. (MIRA 13:5)

1. Giproalyuminiy (for Kramskoy).
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IVANOV, V.F., doktor tekhn. nauk, prof. [deceased]; ONUFRUYEV, N.M., doktor tekhn. nauk, prof.; ROT, A.V., kand. arkh. dots.; GRIGOR'YEVA, A.M., arkh.; ZAKHAR'YEVSAYA, M.A., kand. tekhn. nauk; ZEL'TEN, L.V., kand. arkh.; KRAVSKOY, V.A., arkh.; KUNTSMAN, M.S., kand. arkh. dots.; LOKHANOV, G.I., arkh.; NIKOLAYEV, A.I., doktor tekhn. nauk, prof.; OSIFOV, Ye.A., kand. tekhn. nauk, dots.; SAKHNOVSKIY, K.V., doktor tekhn. nauk prof.; TRULL', V.A., kand. tekhn. nauk, dots.; KARRQ V.M., inzh., nauchn. red.; MARCOLIN, A.G., inzh., nauchn. red.

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KVITKOVSKIY, L.N.; KRAMSKOY, V.P.; GUTYRYA, V.S.

Isolation of n-olefins from thermally cracked gasclines. Neftekhimika 3 no.6:882-885 N-D 163.
(MIRA 17:3)

1. Institut khimii polimerov i moremenov AN UkrSSR.

KRAMSKOY, V. P.

Varianten der mathematischen modellierung von fluidisationsvorgangen
der erdolchemie (Institut fur Polymer- und Monomerchemie der UdSSR.)

Report presented at Petroleum Conference, Budapest, 10-13 Apr. 62

1. YAKUBOV, M. K.; KRAMOCHINA-PUSHKIN, L. M.
2. USSR (600)
4. Cottonseed Oil
7. Refining black cottonseed oil with a chemical bleach, Masl. zhir. prom., 17, No. 7, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

BURYKIN, D.A. (Noril'sk, Krasnoyarskogo kraya); KRAN, A.P., agronom
(Noril'sk, Krasnoyarskogo kraya); SAYTBURKHANOV, Sh.R., nauchnyy
sotrudnik (Noril'sk, Krasnoyarskogo kraya)

Chemical weed control in the Far East. Zashch. rast. ot vred. i
bol. 6 no.7:32-33 Jl '61. (MIRA 16:5)

1. Direktor Noril'skogo soveta narodnogo khozyaystva (for Burykin).
2. Institut sel'skogo khozyaystva Kraynego Severa (for Saytburkhanov).
(Soviet Far East—Weed control)

KRAN, I.P., glavnnyy veterinarnyy vrach.

Elimination of paratyphoid fever and diplococcal septicemia in calves. Veterinariia 32 no.12:24-25 D '55. (MLRA 9:4)

1. Peschanskiy sevkhoz, Pavledarskey oblasti.
(CALVES--DISEASES) (PARATYPHOID FEVER) (SEPTICEMIA)

KRAN, I.P.

Ridding livestock herds of diseases on a state breeding farm.
Veterinariia 40 no.8:6-7 Ag '63.

(MIRA 17:10)
I. Glavnnyy veterinarnyy vrach Sovkhoza "Peschanskiy", Pavlodarskoy
oblasti, Tselinnogo kraya.

On some semiconducting properties of alloys of the system Bi-As-S.
N. N. Yefseyeva, I. S. Kovaleva, B. T. Kolomiyets, K. S. Kranchevich.

Report presented at the 3rd National Conference on Semiconductor Compounds,
Kishinev, 16-21 Sept 1963

KRANDEL', A. S.

PA 40/49TH4

USSR/Engineering
Gasification
Chemical Industry

May 49

"Gasification of Sunflower Husks," A. S. Krandel',
Engr 2½ pp

"Za Ekonomiyu Topliva" No 5

Summarizes advantages of sunflower husks as fuel
for gasification, stating possibility of wider
industrial use in the future. Includes diagram
of apparatus used in process, specifications for
the engine employed, and percentages of various
gases yielded by the husks.

49/49TH4

KRANDIYEVSKIY, Vadim Semenovich [Krandiievs'kyi, V.S.] ; SHUL'GA, P.L.,
[Shul'ha, P.L.], doktor geol.-min.nauk, ovt.red.; MEL'NIK,
G.F. [Mel'nyk, H.F.], red.izd-vu; MATVIYCHUK, O.O., tekhn.
red.

[Silurian ostracods of Podolia. Kyiv, Vyd-vo Akad.nauk Ukr.
RSR, 1958. 39p. (Akademia nauk URSR, Kiev. Instytut
geologichnykh nauk. Trudy, no.27) (MIRA 13:2)
(Podolia--Ostracoda, Fossil)]

KRANDIYEVSKIY, V.S.[Krandievs'kyi, V.S.]

Stratigraphy of upper Ludlow sediments in Podolia, based on the
study of the Ostracoda. Geo. zhur. 18 no. 2:60-68 '58. (MIRA 11:?)
(Podolia--Geology, Stratigraphic)
(Ostracoda, Fossil)

KRANDIYEVSKIY, V.S. [Krandiievs'kyi, V.S.]

First finds in the U.S.S.R. of Silurian ostracods from the genus
Bridoconcha. Geol. zhur. 18 no.3:44-55 '58. (MIRA 11:11)
(Podolia--Ostracoda, Fossil)

KRANDIYEVSKIY, V.S. [Krandiievs'kyi, V.S.]

Stratigraphic incompleteness of the Llandovery layer in
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1. Institut geologicheskikh nauk AN USSR. Predstavleno
akademikem AN USSR V.G.Bondarchukom [V.H.Bondarchukom].
(Podolia--Geology, Stratigraphic)

KRANDIYEVSKIY, V.S.; GUREVICH, K.Ya.

Volyniella (Ostracoda), a new Silurian genus. Paleont. zhur. no.3:
74-76 '60.
(MIRA 13:10)

1. Institut geologicheskikh nauk Akademii nauk USSR.
(Tomashuvka region--Ostracoda, Fossil)

KRANDIYEVSKIY, V.S. [Krandiievs'kyi, V.S.]

Incompleteness of the Llandovery stage in Podolia based on studies
of ostracods. Geol. zhur. 20 no.2:111-117 '60. (MIRA 14:5)
(Podolia—Geology, Stratigraphic)
(Ostracoda, Fossil)

KRANDIYEVSKIY, V.S. [Krandiievs'kyi, V.S.]

Orientation of Paleozoic ostracods. Geol. zhur. 20 no. 5:80-88
'60. (MIRA 14:1)
(Ostracoda, Fossil)

KRANDIYEVSKIY, V. S., CAND GEOL-MIN SCI, "OSTRACODA
OF SILURIAN DEPOSITS OF PODOLIYA." TALLIN, 1961. (ACAD
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207).

KRANDIYEVSKIY, V.S. [Krandiievs'kyi, V.S.]

Eighth Session of the All-Union Paleontological Society. Geol.
zhur. 22 no.6:91-92 '62. (MIRA 16:2)
(Paleontology--Congresses)

KRIVOVSKIY, V.S. [Krivoiyev's'kiy, V.S.]

Siberian graptolites of western Volga Province. Type of USSR
no. 821151-1104 '62.

I. Institut geologicheskikh nauk AN UkrSSR.

KRANDIYEVSKIY, Vadim Semenovich[Krandiievs'kyi, V.S.]; GORAK, S.V.
[Horak, S.V.], kand. geol.-miner. nauk, otd. red.;
SERDYUK, O.P., red.; TURBANOVA, N.A., tekhn. red.

[Ostracoda in the Silurian sediments of Podolia] Fauna
ostrakod siluriiskikh vidkladiv Podillia. Kyiv, Vyd-vo
AM URSR, 1963. 147 p. (MIRA 16:11)
(Podolia--Ostracoda, Fossil)

KRANDIYEVSKIY, V.S. [Krandiievs'kyi, V.S.]

Concerning H.H.Astrova's article "Age of Silurian sediments in
Podolia." Geol.zhur. 23 no.3:117-119 '63. (MIRA 16:9)

1. Institut geologicheskikh nauk AN UkrSSR.
(Podolia—Geology, Stratigraphic)

KRANDIYEVSKIY, V.S. [Krandiievs'kyi, V.S.]

First considerable finds of graptolites in Silurian sediments
of western Volyn' and their stratigraphic significance.
Geol. zhur. 23 no.5:27-41 '63. (MIRA 16:12)

1. Institut geologicheskikh nauk AN UkrSSR.